AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended): A transmission power control method for controlling ~~the~~ transmission power of downlink signals from base stations to a mobile terminal in a mobile communications system, comprising the steps of:

~~during soft handover, sending notification, from said mobile terminal to said base stations, of the ID of the base station that is transmitting said downlink signal with the best downlink reception quality;~~

~~stopping transmission of user data to the mobile terminal from base stations that do not correspond to the base station ID notified by the mobile terminal;~~

~~estimating, at the mobile terminal, which base stations have a likelihood of transmitting user data;~~

<u>selecting, at the mobile terminal, a first base station, said first base station transmitting user data in a downlink signal with a preferred reception quality;</u>

~~using~~ <u>determining, at the mobile terminal, transmission power of</u> ~~the~~ downlink signals from ~~these~~ <u>other</u> base stations <u>not selected by said mobile terminal, said other base stations transmitting user data in said downlink signals to the mobile terminal after the first base station is</u>

selected~~that have a likelihood of transmitting user data, to decide, at the mobile terminal,~~

~~whether the transmission power of these base stations is excessive or insufficient~~;

sending information, from the mobile terminal to <u>the other base stations, to modify the</u>

<u>transmission power of the downlink signals of the other base stations</u> ~~these base station, relating~~

~~to excess or deficiency of their transmission power; and~~

~~increasing or decreasing the transmission power of these base stations in accordance with~~

~~this information from the mobile terminal relating to excess or deficiency of their transmission~~

~~power~~.

Claim 2 (currently amended): A transmission power control method according to claim 1,

wherein the <u>step of</u> ~~base stations that~~~~have a likelihood of transmitting user data are estimated~~

~~from the estimated uplink reception quality~~<u>determining comprises estimating uplink reception</u>

<u>quality of said other base stations</u>.

Claim 3 (currently amended): A transmission power control method according to claim

2, wherein ~~base stations that are estimated to have a likelihood of transmitting user data are base~~

~~stations at which said estimated~~<u>signal weights are determined for the downlink signals from said</u>

<u>other base stations based on the</u> uplink reception quality ~~is not good~~.

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Claim 4 (currently amended): A transmission power control method according to claim

2, wherein said estimating comprises ~~the estimated uplink reception quality is calculated from~~

~~the~~calculating a correlation between ~~the~~an increase or decrease in transmission power instructed

by ~~the~~a transmission power control, and ~~the~~an increase or decrease in ~~the~~transmission power of

~~the~~a downlink signal received from a base station that is transmitting user data to the mobile

terminal after the first base station is selected.

Claim 5 (currently amended): A transmission power control method according to claim

1, wherein a signal obtained by combining ~~a~~weighted downlink signals from ~~the~~said other base

stations ~~that have a likelihood of transmitting user data~~ is used ~~for deciding~~to determine whether

the transmission power of the other base stations is excessive or insufficient.

Claim 6 (currently amended): A receiving method for demodulating user data in ~~the~~a

downlink signal from base stations to a mobile terminal in a mobile communications system,

comprising the steps of:

~~during soft handover, sending notification, from the mobile terminal to the base stations,~~

~~of the ID of the base station that is transmitting the downlink signal with the best downlink~~

~~reception quality;~~

~~stopping transmission of user data to the mobile terminal from base stations that do not~~

~~correspond to the base station ID notified by the mobile terminal;~~

~~estimating, at the mobile terminal, which base stations have a likelihood of transmitting~~

~~user data; and~~

selecting, at the mobile terminal, a first base station, said first base station transmitting

user data in a downlink signal having a preferred reception quality,

using ~~the~~ downlink signal_s_ from ~~these~~ other base stations not selected by said mobile

terminal, said other base stations transmitting user data after the first base station is selected, ~~that~~

~~have a likelihood of transmitting user data,~~ to demodulate, at the mobile terminal, ~~said~~ user data

from said first base station.

Claim 7 (currently amended): A receiving method according to claim 6, wherein.said

step of using comprises ~~base stations that have a likelihood of transmitting user data are~~

~~estimated~~determining ~~from the~~ estimated uplink reception quality of said other base stations.

Claim 8 (currently amended): A receiving method according to claim 7, wherein ~~base~~

~~stations that are estimated to have a likelihood of transmitting user data are base stations at which~~

~~the estimated uplink reception quality is not good~~ signal weights are determined for the downlink

signals from said other base stations based on the uplink reception quality.

Claim 9 (currently amended): A receiving method according to claim 7, wherein said estimating comprises the estimated uplink reception quality is calculated from the calculating a correlation between the an increase or decrease in transmission power instructed by the a transmission power control, and the an increase or decrease in the transmission power of the a downlink signal received from a base station that is transmitting user data to the mobile terminal after the first base station is selected.

Claim 10 (currently amended): A receiving method according to claim 6, wherein a signal obtained by combining a weighted downlink signals from the other base stations that have a likelihood of transmitting user data is used for demodulating the user data from said first base station.

Claims 11-17 (canceled).

Claim 18 (currently amended): A mobile terminal that controls the transmission power of the downlink signals from base stations in a mobile communications system, comprising:

base station selecting means for selecting, during soft handover, the a first base station that is transmitting user data said in a downlink signal with the best downlinka preferred

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reception quality, ~~and for notifying the base stations of the ID of said base station, so as to cause~~

~~only the selected base station to transmit user data~~;

downlink signal weight decision means for ~~estimating~~ determining transmission power of

downlink signals from other base stations not selected by said mobile terminal, said other base

stations transmitting user data in said downlink signals to the mobile terminal after the first base

station is selected~~that have a likelihood of transmitting user data~~; and

downlink TPC command decision means for using the downlink signals from said other

base stations ~~that have a likelihood of transmitting user data~~, to decide whether ~~the~~ transmission

power of ~~these~~said other base stations is excessive or insufficient, and to instruct an increase or

decrease of said transmission power.

Claim 19 (currently amended): A mobile terminal for receiving user data in the downlink

signal from base stations in a mobile communications system, comprising:

base station selecting means for selecting, ~~during soft handover, the~~ a first base station

that is transmitting ~~said~~ user data in a downlink signal with ~~the best~~ a preferred downlink

reception quality, ~~and for notifying the base stations of the ID of said base station, so as to cause~~

~~only the selected base station to transmit user data~~;

downlink signal weight decision means for ~~estimating~~ determining transmission power of

downlink signals from other base stations not selected by said mobile terminal, said other base

stations transmitting user data in said downlink signals to the mobile terminal after the first base station is selected~~that have a likelihood of transmitting user data~~; and

data demodulating means for using downlink signals from ~~the~~ said other base stations ~~that have a likelihood of transmitting user data~~, to demodulate ~~the~~ user data from said first base station.

Claim 20 (currently amended): A mobile terminal according to claim 18 or claim 19, wherein said downlink signal weight decision means estimates~~, from the estimated~~ uplink reception quality of said other base stations~~, base stations that have a likelihood of transmitting user data~~.

Claim 21 (currently amended): A mobile terminal according to claim 20, wherein ~~a base station that said downlink signal weight decision means estimates as having a likelihood of transmitting user data is a base station at which said estimated~~ signal weights are determined for the downlink signals from said other base stations based on the uplink reception quality~~is not good~~.

Claim 22 (currently amended): A mobile terminal according to claim 20, wherein the downlink signal weight decision means calculates ~~the~~ an estimated uplink reception quality from

the a correlation between the an increase or decrease in transmission power instructed by the a

transmission power control, and the an increase or decrease in the power of the a downlink signal

received from a base station that is transmitting user data to the mobile terminal after the first

base station is selected.

Claim 23 (currently amended): A mobile terminal according to claim 18, wherein the

downlink TPC command decision means uses the a signal obtained by combining the weighted

downlink signals from said estimated base stationsother base stations to decide whether the

transmission power of the other base stations is excessive or insufficient.

Claim 24 (currently amended): A mobile terminal according to claim 19, wherein said

data demodulating means uses the a signal obtained by combining the weighted downlink signals

from said estimated other base stations to demodulate the user data.